

REMARKS

In view of the preceding amendments and the following remarks, reconsideration of the present application is respectfully requested.

In general, embodiments of the present invention improve both manufacturing costs and device performance. For example, the navigation receiver supplies a reference crystal frequency to the communications device to re-use a crystal, thus eliminating the need for a second crystal, the communications VCO crystal. And, when the navigation receiver supplies such reference crystal frequency to the communications device, the communications receiver sensitivity is improved because the frequency uncertainty is so much reduced that the initial frequency search space can be trimmed. The receiver is thus able to search for signal in the frequency domain using smaller increments or steps, but still be able to find initial lock in a reasonable time.

Claims 1-11 were pending in the application and were rejected under 35 USC 102(b) as being anticipated by Krasner. By this amendment, Claims 1-11 are canceled, and claims 12-20 are added. No new matter is introduced by these amendments.

The Office Action was exceedingly brief. A single reference was cited as anticipating the claims. Explanation

regarding what in particular in the Reference anticipated what specific elements in each claim was missing entirely. The examination therefore falls short of what is required by the MPEP and the Law of 35 USC 102(b). Without a proper basis for rejection, the anticipation alleged by the Office Action is left to guesswork.

A rejection on the basis of anticipation requires the presence in a single prior art reference disclosure of each and every element of the recited claim. Lindemann Maschinenfabrik GmbH v. American Hoist & Derrick Co., 221 USPQ 481, 485 (Fed. Cir. 1984). Under section 102(b), anticipation requires that the prior art reference disclose, either expressly or under the principles of inherency, every limitation of the claim. In re Sun, 31 USPQ 2d 1451, 1453 (Fed. Cir. 1993). The respective elements of each of claims 1-11 here were glossed over.

Though the Office Action does not comply with the requirements, Applicant recognizes that the invented subject matter can be more precisely and clearly recited. Therefore, claims 1-11 are cancelled, and claims 12-20 are presented.

Claims 12-20 adhere to the disclosure in the Specification from page 8, line 33, to page 11, line 32. An apparatus is detailed in the Specification from page 8, line 33, to page 11, line 8; while a method is taught in the

Specification on page 11, lines 32. The apparatus is further illustrated in Fig. 3. The element numbers from Fig. 3 are recited in these new claims as appropriate to make the recitations very clear.

Specifically, Claims 12-20 recite an integrated satellite navigation receiver and communication device combination system with two, and only two crystals, in a single portable device. These two crystals are associated with VCO's and other oscillators and dividers that generate all the other reference frequencies needed by the combination system.

Krasner describes an integrated GPS receiver and communications transceiver in Figs 7A, 7B, 10A, and 10B. The text associated with these figures dwells on the performance benefits of using the communications transceiver oscillators to calibrate the GPS oscillators and vice versa. The main emphasis of embodiments of the present invention is to save manufacturing costs by eliminating oscillator crystals. The frequency synthesizers that accomplish this also find other uses in generating event timers and auxiliary clocks.

Krasner does not describe any limiting of the number of crystals being used.

Accordingly, in view of the preceding amendments and remarks, it is respectfully submitted that the pending

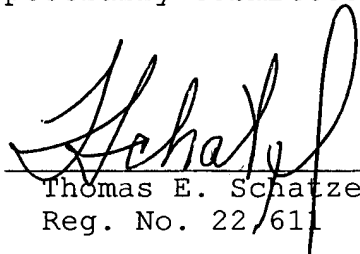
application, with pending Claims 12-20, is in condition for allowance and such action is respectfully requested.

Should the Examiner be of the opinion that a telephone conference with Applicant's attorney would expedite matters, he is invited to contact the undersigned at the telephone number listed below.

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Respectfully submitted,

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Name of applicant, assignee, or Registered Rep.


Signature

9/9/04
Date